

Cyclones and gales.—There were about as many reports of gales as are usually noted in May, but no well-developed storm center is indicated in the parts of the North Atlantic which are covered by vessel reports.

The strongest gales, including two instances of force 11, were encountered about 400 to 700 miles to westward of Ireland during the period 11th to 15th. At this time pressure was very low over the greater part of the Greenland-Iceland area, while it was moderately high over the Azores and thence westward toward Bermuda.

Not so intense, but quite notable for the region of occurrence, were the gales met in the waters adjacent to Florida and the northern Bahamas from the 19th to 23d. During this period lower pressure than normal was indicated over Cuba and the southern Bahamas, while a strong high passed southeastward over the Lake region.

Somewhat earlier, on the 14th, an intensified trade of fresh gale strength was experienced but a short distance north of the Panama Canal.

Fog.—There was no fog reported in any part of the Gulf of Mexico nor anywhere in the ocean to southward of the thirty-fifth parallel; but in most other areas where fog

occurs to an appreciable extent there was a notable increase in May over the frequency during the preceding month, and very often there was much more than normally is noted during May. In the 5° square 40° to 45° N., 45° to 50° W., there were no less than 24 days with fog; and to northward and westward of this square, fog occurred very frequently.

From the vicinity of Nova Scotia to Chesapeake Bay there was much fog during the first half of the month, but almost none afterward. During the period from 2d to 4th the fog led to several accidents in the coastal waters from Cape Cod to Delaware Bay, groundings being most frequent. The American steamship *Angelina*, inbound to New York, struck an anchored fishing boat, one man being killed and four missing. In Nantucket Sound the British steamship *Canadian Planter* sank as the result of a collision, but there was no loss of life and the vessel was presently refloated.

Near the British Isles, and to westward and southwestward as far as the twenty-fifth meridian, fog was noted to a moderate extent, but almost wholly during the 8-day period from the 4th to 11th, inclusive.

OCEAN GALES AND STORMS, MAY 1936

Vessel	Voyage		Position at time of lowest barometer		Gale began May	Time of lowest barometer May	Gale ended May	Lowest barometer	Direction of wind when gale began	Direction and force of wind at time of lowest barometer	Direction of wind when gale ended	Direction and highest force of wind	Shifts of wind near time of lowest barometer
	From—	To—	Latitude	Longitude									
NORTH ATLANTIC OCEAN													
Jean Jadot, Belg. S. S.	Antwerp	New York	47 40 N.	37 41 W.	1	10a, 1	1	30.04	WSW	WSW, 7	WNW	WSW, 8	WSW-WNW.
Maine, Dan. S. S.	Copenhagen	do.	57 30 N.	22 00 W.	3	10a, 2	5	29.20	SW	SW, 7	WNW	WNW, 8	WSW-WNW.
Quaker City, Am. S. S.	Liverpool	Boston	51 18 N.	20 59 W.	4	Noon, 4	7	29.60	WNW	WNW, 8	NE	NW, 10	W-NW.
Boston City, Br. S. S.	Swansea	Montreal	46 37 N.	52 49 W.	5	4p, 5	5	29.71	SW	SW, 7	W	SW, 8	SW-W.
Irene, Du. S. S.	Guatemala	Amsterdam	45 53 N.	16 05 W.	5	6a, 6	6	29.70	NNW	NNW, 8	N	NNW, 9	None.
Maine, Dan. S. S.	Copenhagen	New York	51 40 N.	45 30 W.	8	4p, 8	9	29.50	W	W, 8	WNW	WSW, 9	WSW-WNW.
Exermont, Am. S. S.	Casablanca	do.	35 34 N.	57 40 W.	10	8a, 10	10	30.02	SSE	SSE, 8	SSE	SSE, 8	SSE-S.
American Shipper, Am. S. S.	Belfast	do.	52 37 N.	22 15 W.	11	7a, 11	11	29.52	SW	WSW, 7	WNW	WNW, 9	8-W.
Georgia, Dan. S. S.	Oslo	Portland, Maine	55 20 N.	24 38 W.	11	9a, 11	12	29.17	SSE	N, 11	W	NW, 11	SSE-SSW-NW.
American Shipper, Am. S. S.	Belfast	New York	49 58 N.	30 34 W.	12	Noon, 12	12	29.64	SSW	SSW, 8	NW	SSW, 8	SSW-NW.
Volendam, Du. S. S.	Rotterdam	do.	48 53 N.	29 10 W.	13	Mdt., 13	14	29.53	W	W, 8	NNW	W, 8	8-W-NW.
Pierre L. D., Fr. M. S.	Nordenham	Montreal	50 42 N.	26 08 W.	13	6a, 14	15	29.09	SSW	NW, 10	SW	NW, 11	None.
Santa Maria, Am. S. S.	Cristobal	New York	10 06 N.	79 24 W.	14	7a, 14	15	29.62	NE	NE, 4	NE	NE, 8	None.
San Alvaro, Br. M. S.	Aldrossan	Tampico	51 43 N.	19 57 W.	12	Noon, 14	17	29.17	SW	SW, 9	NW	W, 10	SW-WNW.
Europa, Ger. S. S.	Cherbourg	New York	49 16 N.	15 50 W.	14	4p, 14	15	29.58	SSW	SW, 6	NW	W, 8	SSW-NW.
Duquesne, Am. S. S.	New Orleans	Havre	49 10 N.	12 25 W.	17	4p, 19	19	30.12	N	NE, 6	NE	NNE, 8	None.
Macabi, Pan. S. S.	Preston, Cuba	Boston	25 26 N.	74 00 W.	20	7p, 20	20	29.83	ENE	NNE, 9	NNE	NNE, 9	ENE-NNE-ESE.
General Gassoulin, Fr. M. S.	Baytown, Tex.	New York	26 20 N.	79 50 W.	21	2p, 21	23	29.85	NNE	NNE	ENE	ENE, 8	NNE-ENE.
Bilderdyk, Du. S. S.	Norfolk	Corpus Christi	27 49 N.	80 10 W.	21	8p, 21	22	29.90	ENE	ENE, 7	ENE	E, 8	None.
Steel Trader, Am. S. S.	Cristobal	Boston	23 06 N.	74 24 W.	22	7a, 22	24	29.88	ENE	SW, 1	ENE	ENE, 9	None.
El Isleo, Am. S. S.	Baltimore	Baltimore	24 42 N.	81 27 W.	23	1p, 22	23	29.86	E	ENE, 6	E	E, 8	NE-E.
Saccarappa, Am. S. S.	Savannah	Liverpool	39 50 N.	55 49 W.	22	3p, 24	25	29.72	NW	NNW, 8	NNW	N, 9	N-NNW.
Boston City, Br. S. S.	Montreal	Cardiff	51 44 N.	53 08 W.	27	2a, 27	28	29.74	ESE	NNE, 6	SSE	SE, 8	None.
Saccarappa, Am. S. S.	Savannah	Liverpool	43 27 N.	41 38 W.	27	7p, 27	28	29.91	S	S, 7	S	S, 8	None.
Exochorda, Am. S. S.	New York	Gibraltar	39 49 N.	59 58 W.	28	6a, 28	28	29.32	S	S, 6	S	S, 8	None.
Paris, Fr. S. S.	Havre	New York	42 50 N.	47 30 W.	31	8p, 31	31	29.84	S	S, 8	SW	S, 8	None.
NORTH PACIFIC OCEAN													
W. S. Rheem, Am. S. S.	Yokohama	San Francisco	42 25 N.	168 55 E.	2	11p, 1	3	29.25		SSW, 4	W	W, 9	None.
Saparosa, Du. M. S.	Singapore	do.	45 54 N.	162 57 W.	3	8p, 2	3	29.27	W	WSW, 6	W	W, 9	None.
Kwantu Maru, Jap. M. S.	Los Angeles	Yokohama	40 40 N.	132 20 W.	2	4a, 2	5	29.69	W	SW, 5	WSW	W, 9	SW-W.
Hiye Maru, Jap. M. S.	Seattle	do.	51 59 N.	147 58 W.	4	2p, 5	6	29.13	SW	SSW, 8	SW	WSW, 9	SSW-WSW.
Socony-Vacuum, Am. S. S.	San Francisco	do.	47 00 N.	151 30 W.	3	6a, 5	7	29.56	W	S, 8	WSW	S, 9	S-SW.
Athelchief, Br. M. S.	do.	do.	34 53 N.	146 01 E.	7	7a, 7	7	29.49	S	SW, 9	NW	SW, 9	S-NW.
San Pedro Maru, Jap. M. S.	Yokohama	San Francisco	41 35 N.	154 08 E.	7	8p, 7	9	29.11	S	S, 6	W	SW, 8	S-SW.
Hiye Maru, Jap. M. S.	Seattle	Yokohama	50 41 N.	176 51 W.	8	Noon, 8	11	29.61	SE	SW, 7	WNW	W, 10	Steady.
Socony-Vacuum, Am. S. S.	San Francisco	do.	47 57 N.	178 05 W.	9	Noon, 11	11	30.08	W	W, —	W	W, 8	Steady.
Heiyo Maru, Jap. M. S.	Los Angeles	do.	46 42 N.	173 15 W.	12	5p, 12	12	29.45	WSW	WSW, 7	NW	WSW, 8	SW-NW.
Potter, Am. M. S.	Hinlgaran	Los Angeles	40 17 N.	142 45 W.	12	4a, 13	13	29.65	NW	NW, 8	NW	WNW, 9	NW-WNW.
Pres. McKinley, Am. S. S.	Victoria, B. C.	Yokohama	48 32 N.	168 53 E.	17	2p, 17	18	28.88	E	NNE, 8	NNW	N, 10	NE-N.
Falsterbo, Swed. M. S.	Kobe	Port Alberni	33 55 N.	137 20 E.	19	1p, 19	19	29.61	ESE	ESE, 5	E	ESE, 11	Steady.
Silverguava, Br. M. S.	Singapore	San Francisco	19 47 N.	121 28 E.	20	4a, 20	20	29.68	E	SE, 5	NE	NE, 8	Steady.
Do.	do.	do.	34 06 N.	145 54 E.	25	10p, 24	25	29.62	NE	N, 5	NE	NNE, 8	Steady.
Falsterbo, Swed. M. S.	Kobe	Port Alberni	41 07 N.	159 45 E.	25	Noon, 25	27	29.72	ENE	E, 7	NW	NE, 9	Steady.
Empress of Asia, Br. S. S.	Yokohama	Victoria	38 19 N.	144 23 E.	24	9a, 28	28	28.78	NE	NW, 5	NW	NW, 10	Steady.
Pres. Jackson, Am. S. S.	do.	do.	35 18 N.	142 00 E.	31	11 p, 31	2	29.24	E	NE, 9	NW	N, 10	NE-N.

1 Barometer uncorrected.

2 Position approximate.

3 June.